

*ABSTRACT AMENDMENTS*

Replace the Abstract with:

The present invention comprises methods for fabricating an ultrasound transducer assembly having a flexible circuit. Preferably, the method comprises attaching an ultrasound transducer array and integrated circuitry to the flexible circuit during fabrication of the ultrasound transducer assembly while the flexible circuit is in a substantially flat shape. The contacts of the transducer elements are positioned on substantially the same plane such that electrical contact with signal and ground lines on the flexible circuit is established without the need for conductive bridges to physically remote electrodes.